AUTHOR INDEX

Armgarth, M., 399

Barendsz, A. W., 47
Bergveld, P., 165
Brignell, J. E., 249

Collet, M. G., 287
Culshaw, B., 263

Dibbern, U., 127

Fluitman, J., 25

Gentry, S. J., 141
Giachino, J. M., 239

Hoogerwerf, A. C., 1
Huijsing, J. H., 219

Igarashi, I., 181

Jones, T. A., 141

Ko, W. H., 303
Kordić, S., 347

Lüder, E., 9
Lundström, I., 399

Meijer, G. C. M., 103
Middelhoek, S., 1
Morten, B., 65

Nieuwenhuizen, M. S., 47
Nieuwkoop, E., 47

Popma, Th., 25
Prudenziati, M., 65

Regtien, P. P. L., 195

Sarro, P. M., 321
Shimizu, Y., 379
Spetz, A., 399

ten Kate, W. R. Th., 83

van Herwaarden, A. W., 321
Vellekoop, M. J., 47
Venema, A., 47

Winquist, F., 399

Yamazoe, N., 379

SUBJECT INDEX

Automotive applications
  new technology of sensors for, 181

Biomedical applications
  sensors for, 165

Catalysis
  role of, in solid-state gas sensors, 141

Design aspects
  of SAW gas sensors, 47
Detectors
  for nuclear radiation, 83

Gas sensors
  based on catalytic metal-gate field-effect devices, 399
  design aspects of SAW, 47
  solid-state, role of catalysis in, 141

Humidity sensors
  principles and applications, 379

Image sensors
  solid-state, 287
Instrumentation systems
  sensors in distributed, 249

Magnetic-field sensors
  integrated silicon, 347
  using magnetoresistive effect, 127
Magnetoresistive effect
  magnetic field sensors using, 127
Metal-gate field-effect devices
  gas sensors based on catalytic, 399

Nuclear radiation
  detectors for, 83

Optical waveguide sensors, 25

Photodetection
  photodetectors and, 263
Photodetectors
  and photodetection, 263
Pressure transducers
  solid-state capacitive, 303

Robotics
  sensors for applications in, 195

Seebeck effect
  thermal sensors based on, 321
Sensor(s)
  for applications in robotics, 195
  for automotive applications, new technology of, 181
  for biomedical applications, 165
  classifying solid-state; 'sensor effect cube', 1
  in distributed instrumentation systems, 249
  gas, based on catalytic metal-gate field-effect devices, 399
  humidity; principles and applications, 379
  integrated silicon magnetic-field, 347
  magnetic field, using magnetoresistive effect, 127
  optical waveguide, 25
  polycrystalline Si-based, 9
  SAW gas, design aspects of, 47
  smart, 239
  solid-state gas, role of catalysis in, 141
  solid-state image, 287
  thermal,
    based on Seebeck effect, 321
    based on transistors, 103
  thick-film; an overview, 65
Sensor chip
  signal conditioning on, 219

Sensor effect cube
  classifying solid-state sensors, 1
Signal conditioning
  on sensor chip, 219
Silicon
  integrated Si magnetic-field sensors, 347
  polycrystalline Si-based sensors, 9
Smart sensors, 239
Solid-state capacitive pressure transducers, 303
Solid-state sensors
  classifying; 'sensor effect cube', 1
  gas, role of catalysis in, 141
  image, 287

Thermal sensors
  based on Seebeck effect, 321
  based on transistors, 103
Thick-film sensors
  an overview, 65
Transducers
  solid-state capacitive pressure, 303
Transistors
  thermal sensors based on, 103